

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: "Randy Zelick" <RANDY@sbii.sb2.pdx.edu>  
Subject: 4CX250 tube swap  
Message-ID: <5B2FBE928BB@sbii.sb2.pdx.edu>

Hi folks,

Say, I am in need of a pair of good (= make full rated power) or new type 8560 tubes which go in a 1/4 kw 6M PA. I will be happy to trade straight across for a pair of nib 4CX250's.

Thanks,

=Randy=  
Randy Zelick  
Dept. Biology  
Portland State University  
P.O. Box 751  
Portland, OR 97207  
503-725-3086 (voice), 503-725-3864 (fax)

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: David Stinson <72227.1640@compuserve.com>  
Subject: 6E5 Goes to Henry  
Message-ID: <951101120522\_72227.1640\_EHM76-13@CompuServe.COM>

Blame the Halloween goblins....  
Henry van Cleef's name came out of the hat for the 6E5.

Don't worry, guys. This is the third time I've found one of these eye tubes in a box of junk and I'm betting there will be more.  
Thanks to everyone who participated!

73 DE Dave AB5S/7  
Las Vegas, Nevada  
72227.1640@compuserve.com

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: List Admin/Owner BoatAnchor Mail List <listown@jackatak.theporch.com>  
Subject: Administrivia: For Sale Posts  
Message-ID: <9511010728.aa20476@jackatak.theporch.com>

Gang-

After much gnashing of teeth and deliberation, there *\*is\** going to be a change in conduct of "For Sale" postings.

I have heard too many complaints and noticed too many behaviors that perhaps have no place on the BoatAnchors list, so I have made some changes that go into effect at midnight, tonight, 1 November 1995

Single "For Sale" submissions by individuals on an irregular, once in a while basis, will continue to be, as they always have been, welcome on the BoatAnchors list.

The practice of a single person posting several "For Sales" to the list each day *\*will\** stop, or the offenders will be blocked from submitting to the list...

Any for sale post that is repetitive, contains a large number of items, and grates on my nerves will be blocked. Those people with large shack cleaning projects can develop a list and email it to me at this address:

listown@jackatak.theporch.com

and I will move the for sale list, *\*with email addresses intact\** to the BoatAnchors archives for easy email and ftp retrieval.

This move has been made necessary by recent submission habits, and we need to fix something that seems obviously broken.

This is how it is to be, so get used to it! ;^)

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: "S. Miller" <smiller@motown.ge.com>  
Subject: Administrivia: For Sale posts  
Message-ID: <199511011743.MAA00538@bear.MOTOWN.GE.COM>

Oh well, time to put on the old Nomex (flameproof) suit, here goes:  
I have enjoyed every aspect of this list, from the tangentially related to the equipment specific and included in that are the For Sale posts. I am not a collector, however when I started in ham radio, used equipment was the only way for me to go economically. Nowadays even though the prices have changed (a point which I rue but recognize as reality), I still think that used (tube based) equipment makes sense economically. Having access to a list like this one that is populated by others who use and cherish the use of this style of equipment has been great. It has helped me keep the station running, allowed me to improve it and enhanced my already considerable pleasure in owning older equipment. While equipment specific discussion has been of great use the For Sale posts are equally important to me as I need parts, like to improve the station (as I have already mentioned)

and spend a fair amount of time helping others (who do not have the access I have) find parts or provide good homes for this technology. For these reasons I would like to ask that the For Sale posts not be restricted. I have not had many dealings with people on the list but my few dealings have been with repetitive posters as well as the sporadic individual posters and while a couple of deals were disappointing, all of the deals have been resolved to my complete satisfaction. (Maybe as a satisfied customer I should have announced my satisfaction sooner.) I think this aspect of the list is a vital part of the list and moving the ads to an ftp site or blocking the ads means more work for the list administrator and less easy access for those who are looking for the sale items. I might like to suggest that if there is a problem with certain posts, let the public forum here of it and in that fashion we can "keep everyone honest". I have always tried to be a gentleman with regard to other list people and I have always been treated as such. I'd like to think that we value these old fashioned virtues as much as we value this old equipment.

Steve,  
Kd2Ed

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: Fire Bottle archive handler <firebot1@jackatak.theporch.com>  
Subject: Administrivia: Submissions for other lists  
Message-ID: <9511010632.aa19656@jackatak.theporch.com>

Gang-

Late in the evening, someone asks, of the \*BOATANCHORS\* mail list:

> Does anyone know what has happened to the glowbugs list?  
In a word, yes. The list is up and running, and Conard Murray agreed to act as list manager.

The topics are overlapping with the BoatAnchors list, and I am helping as time will allow, with the administration of the glowbugs list, but PLEASE give us a break and keep the administrivia for other mail lists off the Boatanchors list.

It seems quite rude to just barge in and ask those giving one party where one might find a different party! This is not a turf issue, it is very much a politeness issue. There was a welcome file sent out, and the list has a separate list manager/owner, and administrivia about that list should be directed there and not here.

PLEASE DO NOT "PING" BOATANCHORS TO SEE IF GLOWBUGS IS ALIVE!!!

--

Jack, W4PPT/Mobile (75M SSB 2-letter WAS #1657/#1789 -- both all mobile! ;^)  
- - - BoatAnchor Mailing List Archiver/Owner - - -  
firebot1@jackatak.theporch.com ---- listown@jackatak.theporch.com

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995  
From: "Tim Shoppa" <shoppa@krl.caltech.edu>  
Subject: Audio oscillators, lamps, and HP  
Message-ID: <9511011919.AA04974@altair.krl.caltech.edu>

> Anybody know the purpose of the 3S6 lamp in the cathode of one side of the  
> 12AT7 audio oscillator in the MM-2?

Many audio oscillators have a lamp in the circuit somewhere (even solid state oscillators!). I think the lamp somehow helps in getting a better sine wave out without having to resort to LC tuned circuits in the audio range. Wasn't this lamp design due to Hewlett and Packard in the 30's? Oh, on a similar note, I saw a book this past weekend on the history of HP. I browsed through it a little bit, and thought it was pretty good, but it tended to focus more on the manufacturing rather than the technical innovation side.

Tim. (shoppa@altair.krl.caltech.edu)

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: paul Veltman <veltman@netcom.com>  
Subject: Re: BOATANCHOR DESTRUCTION  
Message-ID: <Pine.3.89.9510311957.A4373-01000000@netcom12>

> >  
> > A. SMASH.  
> > B. CUT.  
> > C. BURN.  
> > D. BEND.  
> > E. EXPLOSIVES.  
> > F. DISPOSAL.  
> > G. DESTROY EVERYTHING.

Ya know, I've seen worse stuff than that at flea markets, and the seller swears it's in 'mint' condition. :-)

Paul WA6OKQ

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: ralph.hartwell@emachin.com (Ralph Hartwell)

Subject: BOUNCING METERHi gang,I wonder if anyone out there in BA land ever fou  
Message-ID: <9510302300013352@emachine.com>

d a fix for the

B> I wonder if anyone out there in BA land ever found a fix for the  
B>wildly bouncing grid/plate meter on the old Knight T-50 transmitter?  
B>Makes it really hard to tune :-)

Bob,

I once had that problem, and semi-cured it by putting a couple of  
large electrolytic caps across the meters. They need not have a high  
voltage ratine; 25 volts or so works fine. Adjust the capacity to suit  
your idea of the time constant you want the meter to have.

Ralph W5JGV

---

\* QMPro 1.53 \* The 2nd Amendment arms patriots, not "sportsmen."

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995  
From: Roy Morgan <morgan@speckle.ncsl.nist.gov>  
Subject: Bush TV (British) - need info  
Message-ID: <9511011916.AA20467@speckle.ncsl.nist.gov>

Information needed:

Bush Radio Television Receiver  
Type TV 22  
Ser. No. 124/17287

Black and white tv  
8 inch rectangular picture tube  
200-250 v AC or DC  
140 Watts

ONE CHANNEL (no channel selector)

Some nine-pin tubes, at least one octal. Two chassis, one mounted above  
the other in the bakelite cabinet.

??

- Schematic anyone? (or source)
- Age, and frequency of the one-channel broadcasts of the day
- When did 9-pin mini tubes get to Europe

??

Thanks in advance.

--- Roy Morgan / Tech A-266 / NIST / Gaithersburg MD 20899  
(National Institute of Standards and Technology, formerly NBS)  
301-975-3254 Fax: 301-948-6213 Internet: morgan@speckle.ncsl.nist.gov  
---

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: Grant Youngman <gyoungma@gtetel.com>  
Subject: CE MM-2 Audio Oscillator Question  
Message-ID: <Chameleon.951101104958.grant@nq5t.gtetel.com>

Anybody know the purpose of the 3S6 lamp in the cathode of one side of the 12AT7 audio oscillator in the MM-2? Or what the specs of this bulb are?

A previous owner has marked the chassis next to this bulb as "130V, 13W", but the only 3S6 I can find listed (Newark) is 130V, 3W.

Grant/NQ5T

-----  
Grant Youngman -- NQ5T

WANTED: Hammarlund SPC-10

gyoungma@gtetel.com  
-----

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: Steven Wilson <randyw@crl.com>  
Subject: Re: CE MM-2 Audio Oscillator Question  
Message-ID: <Pine.SUN.3.91.951101093512.19198A-100000@crl10.crl.com>

Grant I expect that the lamp is used to regulate the signal level output. If it is not by-passed then it will act as a source of negative feedback and allow the output signal to be regulated. Been a long time since I have design any of these type circuit but that was a trick we did in the 50 and 60's. I expect the 3 watt lamp will work FB. de stan ak0b

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995  
From: Gary Gitzen <garyg@cup.hp.com>  
Subject: CE MM-2 Audio Oscillator Question  
Message-ID: <199511011907.AA244302866@hpuxsvr.cup.hp.com>

Grant asks:

>Anybody know the purpose of the 3S6 lamp in the cathode of one side of the  
>12AT7 audio oscillator in the MM-2?

That lamp is most likely used as an amplitude regulator. The E/I curve of incandescent lamps is highly nonlinear in the low current region. The resistance increases significantly with small current increases, making them useful as regulators in oscillator circuits. In this case, an increase in cathode current which would cause an increase in output level causes the lamp resistance to increase, increasing negative bias and reducing the cathode current.

Simple, eh?

>A previous owner has marked the chassis next to this bulb as "130V, 13W", but  
>the only 3S6 I can find listed (Newark) is 130V, 3W.

The HP 20X series oscillators uses a 6W 230V bulb, if I remember correctly, so a 3W bulb feels about right.

Gary

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: fgilmore@woodtech.com  
Subject: Re: Collins 75A-4  
Message-ID: <199511010803.AA12078@relay.interserv.com>

On Sun, 29 Oct 1995, Sandra L Knepper <slkst29+@pitt.edu> wrote:

>

>I would like to get an authoritative answer on the highest serial numbered  
>75A-4 before Collins quit production. Howard, W3HM, told me that he  
>worked on one that had a serial number slightly over 5500. He also  
>indicated that Collins radio simultaneously made the A4 in Canada and in  
>Cedar Rapids. My sources tell me that the the later models were made in  
>Toronto exclusively. Howard told me that the Canadian models were  
>stamped Canada on the rear serial plate and on the I.F. cans.

>

>I do know that the later Collins 75A-4s had rounded front panel corners

>and all black lettering on the meter. The red portion above S-9 was missing.  
>

>Also how "rare" are the noise blankers for this unit that were mounted to  
>the rear of the receiver?

>  
>Thank you.

>  
>Dave, W3BJZ  
>

When Harrison Radio in NYC bought the last existing batch of new, factory sealed 75A4s out of Canada I sprung for one. The serial # was over 6000. I have it written down somewhere and think it was about 6189. But anyhow it was a wonderful receiver that saw a lot of very heavy use and is still being used by another ham daily.

Yes it was stamped made in Canada on the back but I don't recall seeing it on the IF cans. I had two other earlier A4s at the time and the appearance was almost identical...the meter being the main difference. And yes the corners were rounded a bit on the front panel.

The noise blanker was rare as hen's teeth and it took me a year to locate one....and it was a waste of time for the thing was actually worse (if possible) than the blanker Collins later made for the KWM-2 et al. (I bought one of those too...takes a while to learn.)

I put a P & H VF0matic on the Canadian A4 to couple with my KWS-1 and while it only transceived on a couple of bands and was a bit touchy to keep tracking it made for a lot of fun in that era.

With that I go back to lurking.....hi!

73,

Frank K0JPJ ex-W5PVX ...-.-

>  
>

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: HAMRLUND@aol.com  
Subject: didn't sell at my price, you tell me  
Message-ID: <951031224531\_94755172@mail04.mail.aol.com>

ok, no takers at my price. Now, my price is still listed below, OR make offer.

I don't bite, & i don't take offense.



Remember, this is no cheaply made item.

this is an AM broadcast station dummy load.  
it is mutiple tap (9) loading (including 50 ohm)  
its size is: 9.25 T x 7.75 W x 10.5 L  
comes with a cooling fan: 10.5 across blades, 1590 RPM, 1/20 HP  
consists of 9 plates (each marked 54 ohms)

OHM-SPUN RESISTOR  
TYPE: WG  
SERIA NUMBER: 29484  
WATTS: 1,500  
CATALOG #: 33809 X  
MADE IN: U.S.A.  
BY: THE STATES CO.  
HARTFORD CONN.

\$200 shipped

thanks  
robert

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: HAMRLUND@aol.com  
Subject: EV mic Mercury model 611 shell  
Message-ID: <951101005304\_94850621@emout04.mail.aol.com>

has no element, otherwise complete. \$45 shipped

\*\*\*\*\*  
CONTACT: Robert Fowle.....Hamrlund@aol.com  
Ph.517-789-6721.....  
1215 Winifred....Jackson, Mich. 49202-1946  
| |  
---|---|---> The HAMMARLUND Historian  
| |  
Historical Information -- Manuals -- Technical Material  
\*\*\*\*\*  
I'm looking for anything by HAMMARLUND:

literature -----> spec sheets, sales flyers, sales catalogs  
files -----> from: factory, service stations, authorized dealers

manuals -----> factory or military  
accessories ----> speakers, clocks, xtals, xtal boxes, anything  
face plates-----> for sp-200/400/600 series' recievers

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995  
From: "Terry O'Laughlin, RM:7135, #:6-6667" <OLAUGHLIN@vilas.uwex.edu>  
Subject: Fair Radio R-390A PTO  
Message-ID: <MAILQUEUE-101.951101165317.512@vilas.uwex.edu>

> Friday I drove to Fair radio in Lima, Ohio. I bought a government  
> reconditioned main vfo sealed in the bag for \$45 that was refurbished  
> in 1984.

A friend of mine ordered a T-195 PTO from Fair intending to build a  
160m VFO (like the article in a recent ER). The brown truck drove up  
and handed him a box with a strange PTO inside. It was a R-390A PTO  
made by Collins and refurbished in 1984.

He doesn't have any R-390 gear so I gave him \$20 for it and he  
ordered another T-195 PTO from Fair (which he got). The unit was  
wrapped in padding and hermetically sealed in a foil bag. There were  
no marking other than obscure military numbers on the outside.  
That's why Fair sells them as no choice on manufacturer.

The final bit of weirdness? The tag from the overhaul depot that was  
dangling from the PTO says "R-392." SNAFU :->

73 Terry O' WB9GVB

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995  
From: merrigan@ee.ualberta.ca (Shaun P. Merrigan)  
Subject: Re: Fair Radio R-390A PTO  
Message-ID: <199511012321.RAA02307@uro.theporch.com>

On Wed, 1 Nov 1995 17:04:31 -0600 (CST) you wrote:

>  
>The final bit of weirdness? The tag from the overhaul depot that was  
>dangling from the PTO says "R-392." SNAFU :->  
>  
>73 Terry O' WB9GVB

Terry's remarks give me an opportunity to add another bit of weirdness. I have several R390A PTO's with 1984 overhaul dates, in the hermetically sealed bag, etc. One of them has a Collins product label which reads Type 70E-18. The transformer is T801 and the tube is 26D6 (according to this product label) . Is this not from an R392 as well?? But clearly the PTO is an R390A version. I guess Tobyhanna ran out of labels.....

I have had pretty good luck with these, in terms of manufacturers. I orderer 3, and got 2 Collins and 1 Motorola.....

Shaun P. Merrigan  
merrigan@nyquist.ee.ualberta.ca

An Engineer sees equations as a reflection of reality;  
A scientist sees reality as a reflection of equations;  
A mathematician is unable to make the connection.

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: pbock@melpar.esys.com (Paul H. Bock)  
Subject: Filament ratings  
Message-ID: <9511011537.AA17368@syseng1.se.melpar.esys.com>

Can anyone give me the filament ratings on the following tubes:

1626 12.6 VAC @ ??

1629 12.6 VAC @ ??

E-mail reply to pbock@melpar.esys.com and thanks in advance.

73,

Paul, K4MSG

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: pmills@cyberhouse.com (Phil Mills)  
Subject: Re: Filament ratings  
Message-ID: <199511011628.KAA15354@ns.cyberhouse.com>

Paul, the 1629 is .15 amp....sorry but can't find the 1626 in any  
of my books...good luck,  
Phil

> Can anyone give me the filament ratings on the following  
>tubes:  
>                   1626       12.6 VAC @ ??  
>  
>                   1629       12.6 VAC @ ??  
>  
> E-mail reply to pbock@melpar.esys.com and thanks in advance.  
>  
> 73,  
>  
> Paul, K4MSG  
>  
>  
Phil Mills, AB5TH  
pmills@cyberhouse.com  
713-482-2763

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: Herb\_Holeman%Admin@state.ak.us  
Subject: First solid-state rigs?  
Message-ID: <5DBF963081D11473@-SMF->

...and SB-34 lore.

Bill Worsby, n5BU writes:

>The SB-34 has been on my want list for a few months and it turns out  
>to be a more interesting rig than expected. It even uses a number of  
>germanium devices.

Back in the early 70's, I stopped at a roadhouse near Paxson, Alaska,  
and a CB'er noticed the whip on my car. He wanted \$75 for an SB-33,  
which was the precursor to the SB-34. The rig followed me home and

sits in my shack to this day. It has some highly unusual circuits in it--bidirectional amplifiers--for transceiving, and a Collins mechanical filter in the IF. As far as I can tell, all the transistors are germanium devices. The driver and final amplifiers are firebottles, powered by a 450 volt voltage tripler direct from the AC line. It's a real death trap to troubleshoot, as the tubes are all "floating" from chassis ground. The SB-34 had both AC and DC power supplies on board, standard equipment, but the SB-33 ran only on AC. SBE sold an optional 12VDC to 115VAC solid-state inverter for mobile operation, which never quite reached regulation threshold for the DC low voltage power supply in the SB-33. The result was an SSB signal which contained an annoying amount of FM.

The receiver is rather sensitive, and the bandwidth suitable for SSB due to the mechanical filter, but the audio derived AGC sucks by almost any standard. The rig works only on SSB, period.

Many troubleshooting hours have been spent by this writer trying to get the VFO stabilized and the RF alignment tamed. The troubleshooting and alignment processes are made even more interesting by a schematic which does bear at least a passing resemblance to the actual equipment! It appears that the rig may have been redesigned somewhat during its course of production.

A good friend thought that SBE later became SWAN -- anyone have any knowledge of this??

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: Walt Novinger <waltn@hooked.net>  
Subject: Re: First Solid-State Rigs?  
Message-ID: <199511011534.HAA13801@mom.hooked.net>

At 08:49 AM 10/30/95 -0600, you wrote:

>

>I hope this is not offensive to anyone on BoatAnchors, but what was the  
>first solid state rig? (i.e., beginning of end for BoatAnchor era) Has  
>anyone documented the initial solid-state stuff?

>

The generally accepted first all-solid-state communications receiver was the National HRO-500. This was an innovative rig, having a synthesized LO. All transistors were socketed, with point-to-point wiring under the several chassies and sub-chassies. National's famous PW dial made its last appearance on this radio, I believe.

Walt

=====

Walt Novinger

Real Radios Keep You Warm at Night!

Collector of vacuum tube communications receivers and test equipment  
Pacifica, CA waltn@hooked.net wnovinger@shl.com

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: dmedley@indirect.com (David Medley)  
Subject: FS antenna tuner  
Message-ID: <199511010756.AAA15257@ns1.indirect.com>

MFJ Versa Tuner II. Little used. In nice condition. \$75.00 plus shipping OBO  
reply dmedley@indirect.com

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: shrader@unix.sri.com (Eric J. Shrader)  
Subject: FS Sinewave generator  
Message-ID: <v01530500acbce2722981@[128.18.44.129]>

I have a General Radio GR1310 Sine Wave Oscillator for sale.  
It is fairly wide band, it covers 2Hz to 2 MHz.  
It is not really a boat anchor, well maybe for a very small boat, it is  
about 8 by 8 by 8 inches.

Asking \$100 OBO.

If interested, please contact me at : Shrader@unix.sri.com

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: "Gary H. Harmon, Jr." <gharmon@legend.txdirect.net>  
Subject: FS: Heathkit & Other  
Message-ID: <9511010236.AA09867@legend>

Hello from San Antonio. First, let me say what a delight it is to belong to  
the BA group. Lots and lots of very interesting information to read and  
digest. Second, let me apologize for mistakingly posting a request for a 2m  
radio mike connector last week. Thankfully, only two of you chose to  
chastise me and my BA access was not cancelled.

Anyway, the following items are available:

Heathkit SB-100 HF transceiver with HP-23 PS, mobile speaker, desk mike, and  
manuals. \$200

Heathkit SB-200 HF linear with manual. \$300

Heathkit HD-15 phone patch with manual. \$25

Collins PM-2 power supply with new capacitors. Notch in socket worn. \$75

All these items are extremely clean and work well.

If interested, give me a hollar. email or (210) 657-1549. Best 73,

=====

Gary H. Harmon, Jr., K5JWK	gharmon@txdirect.net
6302 Robin Forest	K5JWK@K3WGF.STX.USA.NOAM
San Antonio, TX 78239	

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995

From: Randy Cole <rcole@osage.csc.ti.com>

Subject: FS: CQ Magazine Collection - 1946 to 1990

Message-ID: <199511012112.PAA28230@osage.csc.ti.com>

Tony Rogozinski, N7BG, has a collection of CQ magazines for sale. The collection consists of over 500 issues between 1946 and 1990, with a small number of missing issues. All the magazines are in excellent condition, without any torn or missing covers.

Tony is asking \$300 plus shipping for the collection. You can contact him directly at 602/266-6200 days and 602/878-2929 evenings.

Randy Cole  
KN6W

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995

From: jimh@cnj.digex.net

Subject: GE: Meters wanted

Message-ID: <199511010706.CAA29731@cnj.digex.net>

Does anyone have any GE meters they would like to sell. I want to use one as a sample for 3D Modeling to put on my QSL. To get an idea what I mean, please see the last pair of (WABC) pictures on my Web page at:

<http://cnj.digex.net/~jimh/voaohio.html>

The pictures aren't real clear, but someone who has seen them before may know

what I mean.

Thanks,  
Jim Hawkins - WA2WHV

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: David Stinson <72227.1640@compuserve.com>  
Subject: GENERAL RADIO CONNECTORS/ TEKTRONICS  
Message-ID: <951101121542\_72227.1640\_EHM34-1@CompuServe.COM>

I have sent the list of available lots of General Radio/HN/SMA connectors and adaptors to those who wrote. If I missed you, please email and I'll send it your way.

I'll have the list of Tektronics pieces-parts available in another day or so. Thanks folks.  
73 DE Dave AB5S/7  
72227.1640@compuserve.com

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995  
From: JIM\_ALLEN@HP-Cupertino-om5.om.hp.com  
Subject: Re: Getting rich off old radios  
Message-ID: <H000030e008522bb@MHS>

Item Subject: Getting rich off old radios  
Hey Bill,

Did you get my messages on the SP-44?

Jim

----- Reply Separator -----  
Subject: Getting rich off old radios  
Author: Non-HP-boatanchors (boatanchors@theporch.com) at HP-Unix  
From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: BOB.LIESENFELD@hamlink.mn.org (BOB LIESENFELD)  
Subject: GLOWBUGS  
Message-ID: <815184033.AA04070@hamlink.mn.org>

Hi All,  
Does anyone know what has happened to the glowbugs list?  
I have posted a few notes to it, but have not seen them or any others in several days. Thanks.



72 Bob WB0POQ

Technology is OUT of control.....

---NoSnail v1.17

\*\*\*\*\*

HAM>link< RBBS - Serving the Amateur Radio Community Since 1983

- 612/HAM-0000 v.34 Ham Radio Spoken Here!!

- 612/HAM-1010 v.32b Reply to sender @ hamlink.mn.org

\*\*\*\*\*

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995

From: dmedley@indirect.com (David Medley)

Subject: Glowplugs

Message-ID: <199511012112.0AA02908@bob.indirect.com>

By invitation of the owner I will be posting future FS notices re tubes and parts on the glowplugs list. I have been overwhelmed with messages of support and requests for personal copies. Notices concerning radio or electronic equipment will be posted on rec.radio.swap but there will not be much of this for a while.

To all those who sent me kind messages (there were none of the other sort) I most sincerely thank you.

I have subscribed to glowplugs just now.

73 de Dave

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995

From: bill.sorsby@dlep1.itg.ti.com (Bill Sorsby)

Subject: Hickok 292X Docs Needed

Message-ID: <199511010243.UAA05116@dlep1.itg.ti.com>

Greetings,

Does anyone have documentation for Hickok 292X Crystal Controlled Microvolt Generator or have leads on where such documentation might be found?

The Hickok 292X is apparently the successor to the 192X which Hank has been talking about, but significant differences exist, such as a somewhat different tube line-up and more tubes. And, yes, it is a true BoatAnchor. It has lots of metal in it in addition to vacuum tubes.

Regards,  
Bill Sorsby, N5BU                      bill.sorsby@dlep1.itg.ti.com  
(ex WA50LS)

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: John Shriver <jas@shiva.com>  
Subject: History of Armstrong's FM band  
Message-ID: <199511011550.KAA01283@shiva-dev.shiva.com>

I over-simplified by history of how Armstrong got screwed out of the original 42-50 MHz FM band. I looked in the biography recently, here's an update.

Before the war, RCA was working very hard to keep the FM band down to three stations below what they wanted for TV channel 1. They lost, the FCC granted that band to experimental FM broadcasting.

FM radio was doing rather well in the New England area, with the Yankee Network being quite successful. They had powerful transmitters on high mountains, and had great coverage. They also were able to form a network by relaying each other's broadcasts, since they had line of sight between the various stations.

Also, in the late 1930's, RCA was doing various performance tests on FM broadcasting, comparing it to AM, and comparing various deviations. The results were published in RCA Review, among other places. (This is probably how they discovered that they needed to use FM for TV audio.)

After the war, RCA was publicly in favor of leaving FM in the 42-50 MHz band. Why? Well, there was strong sentiment at the time to move all of TV from VHF to UHF. (Would have been a good idea!) It was quite apparent that there was a serious shortage of TV station frequencies. RCA (and the stations that had nailed down the few frequencies) was adamantly against any such move to UHF, since it would definitely have stunted the growth of television in the short run. RCA did not want to lose the royalty stream on the sale of TV receivers, not to mention how NBC TV would be hurt as well. (RCA was first and foremost a patent pool.) So, they couldn't push to screw (move) FM while protecting (not move) TV.

The vested interests that decided to destroy Armstrong's FM band was the radio NETWORKS, and also AT&T. FM stations had far larger coverage areas than AM stations, they could reach a lot more people for a lot less capital cost. It was also very easy to form FM

networks, all you had to do was repeat the signals. The expensive infrastructure that the networks had built weren't necessary. AT&T was threatened since they were running a real gravy train providing all the high-quality leased telephone lines that the AM networks were built out of.

So, not only did they screw Armstrong by moving the FM band to 88-108 MHz, they also screwed the FM broadcasters in general by greatly reducing the maximum allowed power, and by regulating the coverage area of stations to be the same as AM. Stations with favorable antenna locations were forced to reduce transmitter power from 50,000 or 100,000 watts down to as little as 1000 watts, so that they would have the same small feeble coverage area as an AM station in the daytime. This basically destroyed all advantages of FM over AM other than fidelity and noise. It left FM a financially losing proposition for years, just like UHF TV.

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: bcutter@teal.csn.net (Bob Cutter)  
Subject: HO-10 Monitor Scope  
Message-ID: <199511011449.HAA14875@lynx.csn.net>

Anyone have a copy of the operating portion of the manual, hook-up, what the terminals on the back other than the coax are, use as a regular scope, etc?

73, Bob KI0G  
END

Bob Cutter, .....Glenwood Springs, CO

KI0G

bcutter@teal.csn.net

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995  
From: clarke@next3.acme.ist.ucf.edu (Thomas Clarke)  
Subject: Identify 4610 Tubes  
Message-ID: <9411012149.AA00550@next3.acme.ist.ucf.edu>

I got some more information about the 4610 tubes.

In addition to having a 7 pin base (829 style)  
with two top electrodes and appearing to be a "dual triode".  
they are about 3 inches in diameter and 3 inches high.

Ring a bell with anyone?

Tom Clarke  
KE4VFH  
clarke@acme.ist.ucf.edu

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: SKIPPERM@MTC1.MID.TEC.SC.US  
Subject: Large Filament Supply  
Message-ID: <951101074430.20401055@MTC1.MID.TEC.SC.US>

Since the tube is for display only - calculate the value of a series resistor needed to limit the voltage to the filament to the required value. Resistors are a lot cheaper (less expensive) than transformers and you may get a little more heat off the resistor.  
My \$0.02

regards  
Skip  
email skipperm2mtc.mid.tec.sc.us

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: "Gable, Edward M" <emg@rfpo2.rfc.comm.harris.com>  
Subject: RE: Large Filament Supply  
Message-ID: <3097912D@smtpgate.rfc.comm.harris.com>

>Since the tube is for display only - calculate the value of a series  
>resistor needed to limit the voltage to the filament to the required  
>value. Resistors are a lot cheaper (less expensive) than transformers  
>and you may get a little more heat off the resistor.  
>My \$0.02 regards, Skip, email skipperm2mtc.mid.tec.sc.us

++++++=

A little heat, cheap resistor ! If I want to light off my 4-1000 display tube, 7V @ 22 Amps from 117 VAC line = 4.5 ohms, and using normal engineering practice of operating current times two for the value, that's a 4,000W resistor ! Ed K2MP @ Rochester  
emg@rfc.comm.harris.com

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995

From: kevin@beacons.cts.com (Kevin Sanders)  
Subject: Re: Large Filament Supply  
Message-ID: <m0tAhAQ-000HvqC@beacons.cts.com>

[Skip]

> Since the tube is for display only - calculate the value of a series  
> resistor needed to limit the voltage to the filament to the required  
> value. Resistors are a lot cheaper (less expensive) than transformers  
> and you may get a little more heat off the resistor.  
> My \$0.02

Hmm, let's do some calculations here. We know that  $I(\text{fil}) = \sim 50$  amps,  
and  $E(\text{fil}) = 7.5$  V, which gives  $R(\text{fil})$  of 0.15 ohms. 7.5V is 1/16 of  
the total line voltage, leaving 15/16 of 120V to be dropped by the series  
resistor.  $0.15 \text{ ohms} \times 15$  gives the needed  $R(\text{series})$  of 2.25 ohms.  
 $E(\text{series}) = 110\text{V}$ , so  $I(\text{series})$  is  $110/2.25$  or 49 A. 49A at 110V is  
5490 watts, which would be the power dissipation of  $R(\text{series})$ .

Since this is an AC circuit, we really need to use RMS voltage for these  
calculations. But this won't even cut the power requirement in half,  
so we are still left with an awfully large power dissipation in  $R(\text{series})$ .

In short, the resistor would dissipate a lot more power than the tube  
filament and make this a very dangerous (and expensive to operate)  
room heater ;-)

73,

Kevin Sanders, KN6FQ (SDG)  
kevin@beacons.cts.com

```
|-----|
| 0  _ _ _ . . |
| o, \_/ \_/ .o |
| o,, @ o @ ,,o |
|-----|
```

Try Boatanchors  
For A Real Lift

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: Sheldon Wheaton <swheaton@sky.net>  
Subject: RE: Large Filament Supply  
Message-ID: <Pine.SUN.3.91.951101112641.14453B-100000@solar.sky.net>

My vote is to use a variac with a "well matched" transformer (i.e. 24vac@  
"x" amps) connected. This will handle anything up to the voltage/current  
rating of the transformer.

73, Sheldon KC0CW

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995  
From: clarke@next3.acme.ist.ucf.edu (Thomas Clarke)  
Subject: Re: Large Filament Supply  
Message-ID: <9411011944.AA00405@next3.acme.ist.ucf.edu>

>> Since the tube is for display only - calculate the value of a series

>> resistor needed to limit the voltage to the filament to the required  
>> value.

>We know that  $I(\text{fil}) = \sim 50$  amps,  
>and  $E(\text{fil}) = 7.5$  V, which gives  $R(\text{fil})$  of 0.15 ohms.

> the resistor would dissipate a lot more power than the tube  
>filament and make this a very dangerous (and expensive to operate)  
>room heater ;-)

Use a tuned circuit! Put the tube in a parallel tank with  $Q=15$   
would translate the .15 ohms to  $\sim 34$  ohms the coil and capacitor

would have to have a reactance of 2.25 ohms, so that L would be  
about 5mH and C about 1100 microfarads.

Maybe a pi network would be better.

Tom Clarke

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: Filip Gieszczykiewicz <filip@smi.med.pitt.edu>  
Subject: Re:Making a large filament supply  
Message-ID: <Pine.SUN.3.90.951031205330.7444A-100000@alpha.smi.med.pitt.edu>

>From: Richard Post  
>Subject: Re:Making a large filament supply  
>  
>>My chances of finding a filament transformer for it are slim to none,  
>  
>For a potent filament transformer, I suggest one of the microwave oven  
>transformers that has separately spooled windings. These transformers  
>are often being discarded with dead ovens. The type of transformer that  
>is most useful has the primary on a separate spool or spool section on  
>one side of the core and the secondaries on a separate spool or section.  
>The high voltage secondary should be removed (hacksaw?) and the magnetron  
>filament winding turns counted. Filaments for many of these run 3.3  
>volts but YMMV. With the secondaries removed, winding a new secondary

>with heavy wire at filament voltages should be relatively easy. I've got  
>a pair of these transformers that are rated at just under a kilo VA, more  
>than enough to heat your tube.

Greetings. And indeed this exact concept has been used in an article in Electronics Now (used to be Radio Electronics) in a 12VDC -> 125VAC 60Hz inverter. They did suggest, however, that welding the core gave best results (I buy that :-)) so it's not really something that EVERYONE can build. I too have a few of these but my attempts to rewind them have failed thus far. (probably from lack of "desperation" (mother of invention :-))

Take care.

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: kevin@beacons.cts.com (Kevin Sanders)  
Subject: Re: Making a large filament supply  
Message-ID: <m0tAVBY-000HvqC@beacons.cts.com>

[description of hacking a microwave oven xfmr deleted]

> Greetings. And indeed this exact concept has been used in an  
> article in Electronics Now (used to be Radio Electronics) in a  
> 12VDC -> 125VAC 60Hz inverter. They did suggest, however, that  
> welding the core gave best results (I buy that :-)) so it's not  
> really something that EVERYONE can build. I too have a few  
> of these but my attempts to rewind them have failed thus far.  
> (probably from lack of "desperation" (mother of invention :-))

I think this, or using a variac as the primary and winding a beefy secondary on it, are the best solutions. I looked through my stock of old transformers and it would take more than two of them to run the fil, so that's pretty much out. Using a pole pig (as was mentioned in another post) would be serious overkill, and would not be something I'd want in the house. Besides I want this to be an at least somewhat portable heater ;-)

As far as welding goes, I have access to welding equipment if I wish to use it. Knowing how to use it is another matter :-)

Many thanks to everyone who posted or wrote to me!

73,

Kevin Sanders, KN6FQ (SDG)  
kevin@beacons.cts.com

```
-----  
| 0   _ _ _ _ _ . . |  
| o, \_/_ \_/_ .o |  
| o,, @ o @ ,,o |  
|-----|
```

Try Boatanchors  
For A Real Lift

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: Peter Ferrand <pferrand@scoot.netis.com>  
Subject: Mods and RCAs  
Message-ID: <199511010021.TAA32200@scoot.netis.com>

Back around '86 or so I asked a Heath engineer at a hamfest why they continued to use RCA connectors for their ham gear.

The reply was "Well we looked at Collins and decided that if it was good enough for Collins it was good enough for us."

This brings up a more important concern I haven't been able to resolve:

On many of our BA receivers, the RF input is by way of a terminal strip. This is poor for shielding purposes when, say, trying to null out broadcast stations.

Obviously I'm not going to drill a hole for an RCA jack, but has anyone come up with a neat non-invasive solution?

73,  
-Pete  
WB2QLL

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: Bill Smith <bilsmith@crl.com>  
Subject: Re: Mods and RCAs  
Message-ID: <Pine.SUN.3.91.951031182149.11458A-100000@crl13.crl.com>

Re terminal strips as input to receivers. I use TV-coax to twinlead 300ohm adaptors to feed the receivers here. They present a balanced signal to the antenna terminals, sort of. At any rate, I can not hear anything when I switch away from the receiver. They seem to work fine right down into the broadcast band.

73 de Bill, AB6MT  
bilsmith@crl.com



From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: Michael.J.Knudsen@att.com  
Subject: Re: Mods and RCAs  
Message-ID: <9511011719.AA05142@bock.ih.att.com>

"Good enuf for Collins..." -- I got a good laugh out of that one,  
as the originator of this thread about RCAs on KWM-2s.  
At least my DX-40 had an S00239, but that was REAL ham gear,  
with ceramic bandswitch wafers and a cool power xformer.

Yes, most pre-1950 rx have screw terminals. Probably since most hams back then  
used open ladder-line twinlead rather than coax. Real handy for sticking on a  
scrap  
of bell wire across the floor for a quick antenna, but not good modern practice.

In my 129X, someone has added an S0239 (yes, big hole, there goes the big bucks)  
and put a small balun inside the chassis, with output wired to the antenna screw  
terminals. It dies below 3 MC, so I disconnected it. You could hang this same  
sort of receiving balun (looks like a small IF can) outside the rx instead.  
Don't know how you'd keep the BC QRM out, tho.

Time for another trivia contest: What were the first rcvrs to offer a coax  
input (S0-239 UHF, BNC, RCA, gawdawful R390, whatever)? I have a collection  
of old SAMs (75A1, 51J3, SX-42) to check out. I know the SX-42 is terminal  
strips only.

Sheesh, for the price of a lousy S0-239 Heath could've advertised "BETTER than  
Collins!" 73, mike k w9nrd

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: HAMRLUND@aol.com  
Subject: new milspec relays  
Message-ID: <951101005258\_94850575@emout04.mail.aol.com>

just found these in a box of stuff i had.

RELAYS (PLUS SHIPPING)  
NEW IN BOX MIL. SPEC. # MK 1007, 12 VDC , 120 OHMS, DPDT \$3.50 EA.

\*\*\*\*\*  
CONTACT: Robert Fowle.....Hamrlund@aol.com  
Ph.517-789-6721.....  
1215 Winifred....Jackson, Mich. 49202-1946

| |

---|---|---> The HAMMARLUND Historian  
| |

Historical Information -- Manuals -- Technical Material

\*\*\*\*\*

I'm looking for anything by HAMMARLUND:

literature -----> spec sheets, sales flyers, sales catalogs  
files -----> from: factory, service stations, authorized dealers  
manuals -----> factory or military  
accessories ----> speakers, clocks, xtals, xtal boxes, anything  
face plates-----> for sp-200/400/600 series' recievers

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995

From: dmedley@indirect.com (David Medley)

Subject: No more posts

Message-ID: <199511011640.JAA18743@ns1.indirect.com>

As I find myself completely at variance with the latest policy statement of the Administrator I will make no further posts to this list. In fact I will unsubscribe immediately. To me the FS and WTB notices are among the most interesting on the list.

I still have a lot of interesting things to find new homes for and I will list these from time to time on rec.antiques.radio+phono and rec.radio.swap. I wish to give a most sincere thanks to all of those who helped me clean out my shack of a lifetimes' accumulation of "treasures".

73 es SK de Dave KI6QE

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: Scott\_Johnson-AZAX60@email.sps.mot.com  
Subject: RE>No more posts  
Message-ID: <"Macintosh \*/PRMD=MOT/ADMD=MOT/C=US/"@MHS>

RE>No more posts

11/1/95

I am in complete agreement, as I too use the WTB's . I find that BA serves as a sheister filter for dubious dealers, and have never had a problem.  
My humble opinion. (Although I won't go as far as to say I want to unsubscribe.)

73, Scott KC7BGE

-----

As I find myself completely at variance with the latest policy statement of the Administrator I will make no further posts to this list.

To me the FS and WTB notices are among the most interesting on the list.

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: 817roberts2@wmich.edu  
Subject: Re: No more posts  
Message-ID: <Pine.PMDF.3.91.951101131724.669174940A-100000@wmich.edu>

On Wed, 1 Nov 1995, David Medley wrote:

> As I find myself completely at variance with the latest policy statement of  
> the Administrator I will make no further posts to this list. In fact I will  
> unsubscribe immediately. To me the FS and WTB notices are among the most  
> interesting on the list.  
> I still have a lot of interesting things to find new homes for and I will  
> list these from time to time on rec.antiques.radio+phono and rec.radio.swap.  
> I wish to give a most sincere thanks to all of those who helped me clean out  
> my shack of a lifetimes' accumulation of "treasures".  
> 73 es SK de Dave KI6QE

Amen, Dave. Wouldn't it seFrom dbarberi Thu Nov 2 15:24 EST 1995  
Return-Path: <dbarberi>  
Received: by sunsite.oit.unc.edu (SMI-8.6/TAS/11-16-88/Jones Hack)  
id PAA19921; Thu, 2 Nov 1995 15:04:25 GMT  
From boatanchors@theporch.com Wed Nov 1 23:30:00 1995  
From: afpgreg@state.me.us (Paul V. Gregory)

Subject: Re: No more posts

Message-ID: <199511011837.NAA18577@gatekeeper.ddp.state.me.us>

>I would much rather purchase from anyone on this list than anywhere else  
>on the net or generally, media.

Me too! BOO HISS to this latest decree.

--Paul, KB1AOC

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995

From: Greg Dermer <gdermer@ichips.intel.com>

Subject: Re: No more posts

Message-ID: <9511011909.AA46683@dt026.intel.com>

I would just like to add my voice to the others that have protested the "new policy" of our Administrator. It has not been my observation that we have been particularly inconvenienced by excessive "for sale" posts; indeed, I agree with others' observation that they are sometimes what I look forward to most. If I find a rather long list of items that I am not interested in, I use my "d" key early. If the list is posted several times, I use my "d" key often. Takes less than a second.

So far as I can remember, I have never sold anything via the BA list, but I have bought several items. And when I bought it was from some of the folks who post long lists, semi-regularly. I would like to point out that putting a list of stuff somewhere I can ftp it is hardly the same thing. It's sort of like the difference between having my newspaper delivered to my door every morning rather than having to walk up to the store to get it.

Finally, I recognize that our Administrator commits his time to, well, administering. I sincerely appreciate his efforts to maintain some order on the list. Nevertheless, I was somewhat put off by the "I've decided, like it or lump it" flavor of his announcement.

Greg WA9WUM

gdermer@ichips.intel.com

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995

From: pmills@cyberhouse.com (Phil Mills)

Subject: Re: No more posts

Message-ID: <199511011910.NAA15733@ns.cyberhouse.com>

Well, I certainly second the opinion of wanting to purchase from people on this list.....I've dealt with a number of people with nothing but outstanding results in terms of honesty, accuracy of description, fairness, etc. And, I too, like to see the FS and WTB mail. I've found that if there is something I'm not interested in or if the thread on a particular subject gets a little long, it is easy enough to delete those pieces of mail without having to read them.

thanks,  
Phil

>  
>I would much rather purchase from anyone on this list than anywhere else  
>on the net or generally, media.

>  
>I'm not sure if this is a democracy, but a vote surely seems in order if  
>it were. Not to overcomplicate things, but perhaps a foundational essay  
>of 'aims and methods' of the group should be posted. Kind of a 'bill of  
>rights' for the BA lovers. Hmph.

>  
>73, Chris KA8WFC

>  
>  
Phil Mills, AB5TH  
pmills@cyberhouse.com  
713-482-2763

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995  
From: Norm Flasch <flasch@cushy.eecs.nwu.edu>  
Subject: Re: No more posts  
Message-ID: <199511012052.0AA13933@cushy.eecs.nwu.edu>

>  
> As I find myself completely at variance with the latest policy statement of  
> the Administrator I will make no further posts to this list. In fact I will  
> unsubscribe immediately. To me the FS and WTB notices are among the most  
> interesting on the list.

>  
I completely agree with Dave I have made some valuable finds on the ba list, including tubes from Dave. As he stated earlier, this is a one time dispersal of his lifetime accumulation of very ba related parts and equipment. I don't always have time to visit other newsgroups and may have missed out on Dave's posts completely if they were not on this list. He is not a dealer. But is making these items available at very reasonable prices. I will miss not seeing his FS posts here.

I like Don Merz's posts and have purchased from him, also. This is unique forum for this type of equipment. The FS posts are also a barometer as to what our gear is worth.

--

Norm Flasch                flasch@eecs.nwu.edu                Northwestern University  
Electrical Engineering and Computer Science

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995  
From: steve@hi.com (Steve Byan)  
Subject: Re: No more posts  
Message-ID: <v0213050bacbd7d6a77aa@[140.243.30.128]>

I've tried to ignore this thread, but I can't restrain myself any longer.

>>I would much rather purchase from anyone on this list than anywhere else  
>>on the net or generally, media.

>

>        Me too! BOO HISS to this latest decree.

Jack did not say that "for Sale" posts were verboten:

>Single "For Sale" submissions by individuals on an irregular, once in  
>a while basis, will continue to be, as they always have been, welcome  
>on the BoatAnchors list.

He also \*volunteered\* to put large lists up for ftp/listserv access. There is also the BA Wanted/For Sale List list administered by Andrew Dumas available from thePorch's listserv.

I'm pretty tolerant of "for sale" posts, but lately that's most of what I've seen on this list. It seems to me that a few people have been responsible for a small blizzard of "for sales". You've got stuff to sell, that's fine with me. Don Merz does a great job of sending \*one\* message to boatanchors every couple of weeks telling us what he's got to sell. Follow that model and I've got no problem. To my mind, posting "for sale" posts a couple of times a week (or even multiple times per day!) is not being neighborly. If you're in that big a hurry to sell something, put it on some other list or on netnews. I don't think the list should be the "boatanchors futures exchange".

On the other hand, if someone were to set up a mailing list for the "boatanchors futures exchange", I would probably subscribe :-)

Regards,  
-Steve

Steve Byan  
Hitachi Computer Products (America), Inc.  
1601 Trapelo Road  
Waltham, MA 02154

internet: steve@hi.com  
phone: (617) 890-0444  
FAX: (617) 890-4998

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995  
From: Bill Sorsby <a0307763@dlep1.itg.ti.com>  
Subject: Re: No more posts  
Message-ID: <199511012149.PAA06956@dlep1.itg.ti.com>

>  
>He also \*volunteered\* to put large lists up for ftp/listserv access. There  
>is also the BA Wanted/For Sale List list administered by Andrew Dumas  
>available from thePorch's listserv.  
>

OK, I tried to run down the Wanted/For Sale list but have been unsuccessful.  
Does it really exist? If so, how do I subscribe?

Regards,  
Bill Sorsby, N5BU

bill.sorsby@dlep1.itg.ti.com

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995  
From: Bill VanAlstyne <bill@cruz.com>  
Subject: Re: No more posts  
Message-ID: <199511012228.AA05233@cruz.com>

At 01:11 PM 11/1/95 -0600, Greg Dermer wrote:

>I would just like to add my voice to the others that have protested the  
>"new policy" of our Administrator... [ snip.. ]

>..I have bought several items. And when I bought it was from some of the  
>folks who post long lists, semi-regularly. I would like to point out  
>that putting a list of stuff somewhere I can ftp it is hardly the same thing.  
>It's sort of like the difference between having my newspaper delivered to  
>my door every morning rather than having to walk up to the store to get it.

I agree with this, and have also had the good fortune to find exactly what I

was looking for in a long list of items offered for sale. I received an outstanding piece of test equipment which I use all the time and which cost me very little compared to what an equivalent "current" piece of equipment would have cost me.

I must say I don't really understand what the problem here is with postings of this type. No one has to read them who doesn't want to read them, and it is clear that a large number of people are in favor of their continued presence. There is certainly no violation of law occurring. This is not on-air ham radio, and there is no "pecuniary interest" clause that I'm aware of pertaining to the Internet.

>Finally, I recognize that our Administrator commits his time to, well, >administering. I sincerely appreciate his efforts to maintain some order >on the list. Nevertheless, I was somewhat put off by the "I've decided, >like it or lump it" flavor of his announcement.

Mail lists all have their own cultures, their own personalities -- and that is oftentimes the personality of the list owner/administrator. We either accept it as-is (whether we like it or not), or we try to change it, or we go away. In a group this size, I'm sure there will be some of all of the above. But I would certainly tend to favor erring on the side of tolerance, and in the event that there *\*is\** a serious difference of opinion amongst the membership, I would think a more democratic approach would be laudable, especially if the preponderance of opinion seems to be weighted heavily toward one side of the issue.

Bill VanAlstyne, N6FN  
bill@cruz.com

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995  
From: Grant Youngman <gyoungma@gtetel.com>  
Subject: Re: No more posts  
Message-ID: <Chameleon.951101163439.grant@nq5t.gtetel.com>

>  
>OK, I tried to run down the Wanted/For Sale list but have been unsuccessful.  
>Does it really exist? If so, how do I subscribe?  
>

Its out there, but hasn't been updated since early September. There's a bunch of other interesting stuff there as well.

Its in gzip format, at <ftp.theporch.com/pub/mailling-lists/boatanchors/>. I poke in there through Netscape every so often just to see what's new.



Grant

-----  
Grant Youngman -- NQ5T

WANTED: Hammarlund SPC-10

gyoungma@gtetel.com  
-----

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: HAMRLUND@aol.com  
Subject: oils cap's  
Message-ID: <951031231851\_9373386@mail04.mail.aol.com>

Have these to move along. if you have an interest, in one or in all  
make me an offer, + shipping.

oil caps:

3 @ 1,000 VDC .5 & 3.5 MFD  
1 @ 1,500 VDC 2.0 MFD  
3 @ 1,500 VDC 4.0 MFD  
2 @ 2,000 VDC 2.0 MFD  
1 @ 2,000 VDC 3.0 MFD  
1 @ 2,000 VDC 4.0 MFD

\*\*\*\*\*  
CONTACT: Robert Fowle.....Hamrlund@aol.com  
Ph.517-789-6721.....  
1215 Winifred....Jackson, Mich. 49202-1946

| |  
---|---|---> The HAMMARLUND Historian  
| |

Historical Information -- Manuals -- Technical Material

\*\*\*\*\*  
I'm looking for anything by HAMMARLUND:

literature -----> spec sheets, sales flyers, sales catalogs  
files -----> from: factory, service stations, authorized dealers  
manuals -----> factory or military  
accessories ----> speakers, clocks, xtals, xtal boxes, anything  
face plates-----> for sp-200/400/600 series' recievers

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: Dave Hockaday <wb4iuy@nando.net>  
Subject: Re: PA neutralization  
Message-ID: <9511011318.AA11274@merlin.nando.net>

>> While we're on the subject lets get the process down right. If you use an  
>> RF probe you don't need to get into the high voltage. In fact there is NO  
>> high voltage. To do it with an RF probe. (1) Disconnect the HV to the  
>> plate and the screen. (2) Connect the antenna output to a dummy load and  
>  
>All good advice....and for the 520, the subject of this series of posts,  
>Kenwood has a good detailed process in the manual. It includes an "RF

Hi guys! Would someone please explain problems, if there are any, with the neutralization method I've used sucessfully for years. I've done this with several types of tube PA's, and got the procedure out of an old handbook in past years...

- 1- Go to the highest band of operation (10 meters in many hf tx's).
- 2- Tune the PA for maximum smoke into a dummy load.
- 3- Observe the plate current at the peak power point, then slowly adjust the plate tune cap each way off of the full power point. The plate current should rise in both directions, or maybe it's better to say that the minimum plate current should occur at the same point that maximum power out occurs.
- 4- If not, tweek the neutralization cap and try again. Continue until full power and minimum plate current occur at the same point.

I've used this method for years and have never damaged a set of tubes nor

had problems afterwards.

Just my \$.02 :-)  
73 de Dave WB4IUY

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: af852@rgfn.epcc.Edu (William R Colbert)  
Subject: Q-multiplier  
Message-ID: <9511011615.AA29614@rgfn.epcc.Edu>

Conrad, I suggest looking for a Q-5er (BC-453?) to use as a q-multiplier especially with the odd I.O.F. freq. I remember having to use one feeding a BC-458 to a BC348 to match the different i.f.s. I think the Heath is probably in the 450-500 khz range and considerable mods would be required. GL & 73 Ray, W5XE

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: Bob Roehrig <bproehrig@admin.aurora.edu>  
Subject: Re: Q-multiplier question  
Message-ID: <Pine.ULT.3.91.951031192237.15058A-1000000@admin.aurora.edu>

On Tue, 31 Oct 1995, Conard Murray wrote:

> -- [ From: Conard Murray \* EMC.Ver #2.5.02 ] --

>

> Hello all....

> I am seeking single-signal reception on my new RAS receiver which has a  
> 175 KHz IF. I remember using a Heath q-multi on a Collins 75A back in my  
> teenage years (1980) and I would like to rig up a comparable setup. The  
> problem is that I can't seem to find anything in any of the handbooks  
> regarding such a beast and I have no idea how to design one either. I never  
> really understood how you could hang a circuit on the IF with a single wire  
> and get the effect of boosting the Q anyway. Anyone out there with a design  
> or an explanation?

> Thanks and 73,

> Conard WS4S

>

The Q multiplier is (at least in the PEAK mode) nothing more than an oscillator circuit (usually used at the IF frequency) that can be adjusted just below the point of oscillation. The closer to oscillation, the higher the Q, thus the sharper the selectivity. You can do the same thing if you can make the IF stage itself come to near oscillation and be able to

trim the frequency back and forth across the passband. You may have to look in some of the older ARRL handbooks to find a typical Q multiplier circuit.  
73 de Bob, K9EUI

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995  
From: Bill VanAlstyne <bill@cruz.com>  
Subject: Re: Q-multiplier question  
Message-ID: <199511012245.AA05309@cruz.com>

At 07:27 PM 10/31/95 -0600, Bob Roehrig wrote:

>The Q multiplier is (at least in the PEAK mode) nothing more than an  
>oscillator circuit (usually used at the IF frequency) that can be  
>adjusted just below the point of oscillation. The closer to oscillation,  
>the higher the Q, thus the sharper the selectivity.

Actually, this is true in both PEAK and NULL operation. In PEAK mode, the tuned circuit is parallel-resonant, and in NULL mode, series-resonant. There's an excellent explanation of how a PEAK=NULL Q-Multiplier works in the Heath GD-125 manual:

[PEAK mode:] "As the Q is increased, the side slopes of the resonant peak become steeper and steeper. Therefore, at the resonant frequency of the Q Multiplier, the desired signal sees a very high impedance and passes on to the IF amplifier. All other signals see a relatively low impedance and are shunted to ground. The Tuning control on the Q Multiplier adjusts the resonant peak to any point in the IF bandpass."

[NULL mode:] "...the unwanted signal sees a very low impedance and is shunted to ground by the Q Multiplier. All other signals see the normal high impedance and pass on through the receiver. The null point can be adjusted to any point in the IF bandpass, therefore a heterodyne adjacent to the desired signal can be dropped into the notch (null point) and eliminated."

Looking at the schematic, I can see several things that could be done to lower the unit's IF resonance range from the range it is designed for (450-500 KHz), but I would be kidding myself if I said I could engineer the mods from circuit theory. I'll bet there are others on this list who could do it, though. It might be a useful set of figures for somebody to work up. The Heath Q-Mult (in both its original QF-1 and newer GD-125 incarnations) is an excellent performer, is fairly commonly available, and might serve even better if it could be readily modified to work at other IF frequencies.

How about it, somebody?

Bill VanAlstyne, N6FN

bill@cruz.com

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995  
From: "MELUCAS, MARC P." <MELUCAS@wsmc-mis.af.mil>  
Subject: RCP Receiver  
Message-ID: <199511011900.NAA10512@uro.theporch.com>

Larry and Fellow Hollow Staters:

I, too, must confess to owning an RCP. Mine is just as you described, Larry, complete with the Shuttig & Co. mod, and needs plenty of TLC if not a full restoration. Somewhere along the line I was told that the FAA (Dept. of Commerce) used these things at airports to monitor set frequencies; they were placed on top of telephone poles at outlying locations. Obviously, they were not bothered much by human hands in such places, and reputedly are stable. Apparently they led a life of long operating hours, and I would believe that is some kind of testament to their reliability.

Anyone at Livermore this weekend will be able to see one, as I plan to have mine there with me.

Marc, KB0JPQ  
MELUCAS@wsmc-mis.af.mil

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995  
From: ddonald@vikings.onecomm.com (Dave Donaldson)  
Subject: Re: RE>No more posts  
Message-ID: <9511011909.AA12888@>

I must agree with these gentleman. I have found things on this list that I have been looking for for years. The mix of topics and FS has been good. If the problem is topics then maybe this list should be come moderated?

Dave, WB7DRU

> RE>No more posts 11/1/95  
> I am in complete agreement, as I too use the WTB's . I find that BA serves as a  
> sheister filter for dubious dealers, and have never had a problem.  
> My humble opinion. (Although I won't go as far as to say I want to unsubscribe.)  
>  
> 73, Scott KC7BGE  
>  
> -----

>  
> As I find myself completely at variance with the latest policy statement of  
> the Administrator I will make no further posts to this list.  
> To me the FS and WTB notices are among the most  
> interesting on the list.  
>  
>  
>

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995  
From: Rick Blank <rblank@legend.txdirect.net>  
Subject: Re: RE>No more posts  
Message-ID: <9511012252.AA08390@legend>

> RE>No more posts 11/1/95  
>I am in complete agreement, as I too use the WTB's . I find that BA serves  
as a  
>sheister filter for dubious dealers, and have never had a problem.  
>My humble opinion. (Although I won't go as far as to say I want to  
unsubscribe.)  
>  
> 73, Scott KC7BGE

Add my voice to the supporters of For Sale and WTB posts pertaining to BA  
equipment,  
after all, isn't that part of it?

Rick Blank, KI5SL rblank@txdirect.net  
2223 Blanco Road KI5SL@K3WGF.STX.USA.NOAM  
  
San Antonio, Texas 78212 AMSAT NA#26195

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: Sandra L Knepper <slkst29+@pitt.edu>  
Subject: SB-303  
Message-ID: <Pine.3.89.9511010757.B28645-0100000@unixs7.cis.pitt.edu>

Can anyone suggest why my Heath SB-303 has a high ping (ringing) on all  
bands. It appears to diminish when I turn down the RF gain. It would appear that  
something is overloading, probably the front end.

Thank you.

Dave, W3BJZ

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: Rick Blank <rblank@legend.txdirect.net>  
Subject: Re: SB-303  
Message-ID: <9511011609.AB24785@legend>

At 06:14 AM 11/1/95 -0600, you wrote:

>Can anyone suggest why my Heath SB-303 has a high ping (ringing) on all  
>bands. It appears to diminish when I turn down the RF gain. It would  
appear that

>something is overloading, probably the front end.

>

>Thank you.

>

>Dave, W3BJZ

>

I hope someone can come up with an answer to this, my SB-301 has the same  
problem,

and while the 303 is sand-state, the 301 isn't, yet, the audio is pretty  
miserable compared to other receivers...infact, that's why the radio has been  
in a plastic bag on a shelf out in the garage along with the SB-401....

Rick Blank, KI5SL  
2223 Blanco Road

rblank@txdirect.net  
KI5SL@K3WGF.STX.USA.NOAM

San Antonio, Texas 78212

AMSAT NA#26195

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: Bill Standerfer <bills@hpsilwes.lvld.hp.com>  
Subject: SB-34 (was Re: First solid-state rigs?)  
Message-ID: <199511011501.AA279308107@relay.hp.com>

Herb\_Holeman%Admin@state.ak.us

> ...and SB-34 lore.

>

I had the dubious fortune of getting an SB-34 not long after they came out in  
the late 60's. It played for a few weeks, then died. I took it back to BA  
(no, the other BA, Burstein-Applebee in Denver) and got another unit. It, too,  
died rather quickly. I took it back and while it went to the factory, I got a  
brand new NCX-5 on loan and never looked back. About a year later they finally  
made a deal on the SB-34 on trade for the National.

> The receiver is rather sensitive, and the bandwidth suitable for SSB  
> due to the mechanical filter, but the audio derived AGC sucks by  
> almost any standard. The rig works only on SSB, period.

The Collins mechanical filter is one of the better things about the rig. The sensitivity is pretty good, but you have to be careful with the audio gain to keep the receiver from overloading. There is an adapter available that will inject a tone for CW although the SB-34 only covers the high parts of the CW bands. There's also a VOX unit and a 1KW amplifier (SB-2LA) in a matching cabinet.

> Many troubleshooting hours have been spent by this writer trying to  
> get the VFO stabilized and the RF alignment tamed. The  
> troubleshooting and alignment processes are made even more interesting  
> by a schematic which does bear at least a passing resemblance to the  
> actual equipment! It appears that the rig may have been redesigned  
> somewhat during its course of production.

I've noticed that also. One problem with stability is the vernier drive for the VFO. As I remember it is an integral part of the tuning capacitor and I think that probably contributes more to instability than anything else. If you could easily change that for something more mechanically secure it would likely settle down quite a bit.

> A good friend thought that SBE later became SWAN -- anyone have any  
> knowledge of this??

I've never heard this one before and don't think it likely. SBE and Swan were in business at the same time with completely different product lines. I've seen ads in the RF trade journals for an SBE, but I don't know if it is the same company. I think SBE had a transceiver after the -34 (SB-1000?), but that didn't last long and they faded from the amateur scene.

Oh, and BTW, if anyone wants a nice SB-34, (you guessed it) I've got one I'd easily part with, complete with book and mic. I guess I didn't learn the first time. :-)

Bill

Bill Standerfer	*	Hewlett-Packard Company
CFI-A, IA, ME	*	Measurement Systems Division
bills@lvld.hp.com	*	Loveland, CO 80539
Baron N222AB - KF0DJ	*	970-679-2378

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: Rick Blank <rblank@legend.txdirect.net>  
Subject: Re: SB-34 (was Re: First solid-state rigs?)  
Message-ID: <9511011609.AC24785@legend>

I bought one of those miserable little beasts a few years ago at Hamcom, used



it a couple of times, couldn't get the thing to keep from drifting on 40m, no matter HOW long it warmed up or what parts were changed, and finally sold it....

I never looked back, that's one radio I just couldn't come to grips with and after hearing the horror stories from users of the rigs when they were new, don't think that many other folks were able to either...

Rick Blank, KI5SL  
2223 Blanco Road

rblank@txdirect.net  
KI5SL@K3WGF.STX.USA.NOAM

San Antonio, Texas 78212

AMSAT NA#26195

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: jml@spider.lloyd.com (Jim Lockwood)  
Subject: Re: SB-34 (was Re: First solid-state rigs?)  
Message-ID: <m0tAfrn-000TrWC@spider.lloyd.com>

>> A good friend thought that SBE later became SWAN -- anyone have any  
>> knowledge of this??  
>  
> SBE and Swan were  
>in business at the same time with completely different product lines.

SBE was formed by Faust Gonset sometime after he sold his Gonset company to Young Spring and Wire. The QST ads in which he announced the formation of Sideband Engineers left one with the impression that his loyal followers implored him to come out of retirement and start another company.

Swan was started (I think) by the same fellow (Herb Johnson?) who currently is attempting to make Atlas radios. (If this is wrong, someone please correct me.)

> I think SBE had a transceiver after the -34 (SB-1000?), but that  
>didn't last long and they faded from the amateur scene.

I've seen ads in "ham radio" magazine for SBE transceivers numbered as high as SB-36, but I've never knowingly seen examples of these at swaps. I think the SB-36 may have been a 100% sandbox, if it even actually existed.

73,

Jim - km6nk

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: MODSTEPH@ACS.EKU.EDU  
Subject: Re: SB-34, etc.  
Message-ID: <01HX4LFQBIHU001F25@ACS.EKU.EDU>

SBE was indeed bought up by someone else - I seem to recollect that it was Electro-Voice...

73, Al N5AIT  
modsteph@acs.eku.edu

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: Clark Fishman (FSAC) <cfishman@fsac3.pica.army.mil>  
Subject: Single signal  
Message-ID: <9511011006.aa29101@FSAC3.PICA.ARMY.MIL>

For the RAS with a 175 KHz probably the best way to get single signal reception is to add a phasing type product detector using a BFO with quadrature output driving two detectors followed with an audio quad.

Can be done easily in solid state (did I say solid state) using a modified R2 receiver described in QST or staying with tubes use 2 7360 or other beam deflection tubes or just a hand full of 1N34 diodes for the detectors....Such a detector was described in the older SSB books put out by the ARRL in the sixties...If interested I can copy and send to interested parties....

Upper and lower sideband selected by the detector...what a way to go.

Clark Fishman WA2UNN cfishman@pica.army.mil

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: Michael.J.Knudsen@att.com  
Subject: Re: Single signal  
Message-ID: <9511011739.AA05188@bock.ih.att.com>

Wow. I kept meaning to post a query as to whether any rcvr had ever used the phasing method "backwards" to select the sideband.

And it's got to be easier to build a "Hilbert transformer" (90-degree phase shifter) at the IF freq than it is at audio, as needed in a TX.

Glad to hear the ARRL HB described it (not in my '68 edition tho), but did any commercial rx ever use it?

Modern Sony recebox SWL portables use it fer sure. Their proprietary chip does the phase-shifting and everything -- it was allegedly developed for AM stereo. The sideband filtering is VERY effective, tho possibly subject to overloading if the unwanted sideband contains a strong QRM signal.

I'm surprised someone like Racal didn't try this. Maybe they did, but not with tooobs. 73, mike k w9nrd

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: Grant Youngman <gyoungma@gtetel.com>  
Subject: Re: Single signal  
Message-ID: <Chameleon.951101120248.grant@nq5t.gtetel.com>

>Wow. I kept meaning to post a query as to whether any rcvr had ever  
>used the phasing method "backwards" to select the sideband.  
>And it's got to be easier to build a "Hilbert transformer" (90-degree  
>phase shifter) at the IF freq than it is at audio, as needed in a TX.  
>  
>Glad to hear the ARRL HB described it (not in my '68 edition tho),  
>but did any commercial rx ever use it?  
>

Such devices were common.

The classic articles appeared in QST and other ARRL pubs, written by Norgaard. The method was called "exalted carrier" early on, not to be confused with some other uses for that term. The RME 4301, CE Sideband Slicer, and other commercial products all used this technique for detection and sideband selection.

Grant

-----  
Grant Youngman -- NQ5T

WANTED: Hammarlund SPC-10

gyoungma@gtetel.com  
-----

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: Bill VanAlstyne <bill@cruz.com>  
Subject: Re: T-50 METER  
Message-ID: <199511010707.AA02395@cruz.com>

At 03:27 PM 10/31/95 -0600, BOB LIESENFELD wrote:

> ..BTW as a young novice I once  
> had a shorted PL259 which was plugged into this TX. It still loaded up  
> albeit not easily, and I did make a few contacts. The only way I think  
> one can pop an 807 is to throw it with great velocity against a brick  
> wall :-()

You're so right! The pi-net on the T-50 had incredible range, and the 807 would seemingly take whatever reflections came back to it without a complaint. If you couldn't load some excuse for an antenna up on a T-50, you couldn't load it, period. You wouldn't believe some of the stuff I loaded up with that rig. Heating ducts, ground wires, various random length "antennas", you name it. SWR? What's that? :)

Bill N6FN  
bill@cruz.com

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: "STLMAIL7.MK2331" <MK2331@STLMAIL7.SBC.COM>  
Subject: TO: J.Beyer/W9ADJ - need i-net addr!  
Message-ID: <STLMAIL7.MK2331.730712100095305FSTLMAIL7@SBC.COM>

Microsoft Mail v3.0 IPM.Microsoft Mail.Note  
From: KASTIGAR, MATTHEW (MM)  
Subject: TO: J.Beyer/W9ADJ - need i-net addr!  
From boatanchors@theporch.com Wed Nov 1 23:30:00 1995  
From: harlan@csoa1.ENET.dec.com  
Subject: Trade NC300 for URM25  
Message-ID: <9511011941.AA07834@us2rmc.zko.dec.com>

Hello All,

Since I got a perfect/mint R390 (non A) my trusty old NC300 has been removed from the operating bench. Not so much a space thing, but I needed his T/R mute position, his ANT feed from my 1 in 16 out multicoupler and the channel

through the 16X4X2 mixer that feeds the station audio system.

I would like to TRADE the NC300,Spkr,XCU300 Calibrator  
and manual repro for a nice working URM25 (D or later).

Anyone interested? E-mail direct.  
Harlan@csoa1.e-net.dec.com

Dan Harlan N8ETQ  
Cleve.,Oh

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: Virtually Worldly <dbarberi@calypso-2.oit.unc.edu>  
Subject: trouble with sunsite...  
Message-ID: <Pine.SOL.3.91.951102100100.18518A-100000@calypso-2.oit.unc.edu>

Hi folks,

I'm having trouble editing html files on sunsite (using vi I keep on  
getting out of space errors when trying to save). Are there any  
other computers with the sunsite filesystem that we can use?  
President seems to be rejecting logins.

Any help appreciated..

-----^-----  
David Barberi            dbarberi@sunsite.unc.edu  
-----

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: Lrware@aol.com  
Subject: Type RCP receiver  
Message-ID: <951031202836\_94624740@mail02.mail.aol.com>

Gentlemen:  
I've gone and done it again, bought another BA. :-)

This one is a:  
Type RCP receiver, S/N 40  
Made for the Dept. of Commerce  
Made by National,  
Modified by Schuttig & Co.  
Contract: Cca-24653 10/30/1945

It appears to be identical to the type RCL on page 123 of Moores 3rd.

Also looks like yet another NC-101X variation. How many different variations did they make anyway?  
100? 1000? I think I've seen almost that many myself! :-)  
Anyway I bought it just for the beauty of it's tuning dial. (Beauty is in the eye of the beholder, and  
I have plans for that dial.)  
But after thinking about it, I thought I'd ask the BA list: Is this thing worth keeping? (Needs a lot of TLC)  
I haven't been collecting/restoring/using this stuff long enough to know if it's a "collectable" radio,  
or just another old firebottle set to contribute parts to several others that are "works in progress."  
Thoughts? comments? Ideas? always welcome here :-)

Thanks:  
- Larry Ware  
lrware@aol.com

PS: Still searching for a good HRO 50 or 60, seen any lately?

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: FRANCIS4@AppleLink.Apple.COM (Francis, Dexter)  
Subject: Uncle! I gave in...  
Message-ID: <815216658.6970451@AppleLink.Apple.COM>

Greetings all -

Well, I did it. After 4 years of Drakes and one year of Hallicrafters I have succumbed to the BIG C. A 51S-1B is en route at this moment. I'm looking forward to a side by side comparison with the SPR-4 and will report my findings to the group once I've formed a defensible opinion.

The S-36A resurrection was a success, and the CRX-3 is in the que for a fresh coat of paint on the housing. (Both will be available sometime between now and XMAS, so if anyone is interested in either, drop me a note.)

BTW - While I haven't landed any \$25 R-390's, I did make a purchase yesterday that come close. A Brown & Sharpe No. 5842 Hite-Chek Height Transfer Gage for \$55. The current list price for these beasts is \$1500. I guess it's just a matter of being in the right place at the right time and knowing what you're looking at.

Keep 'em glowing.

-df

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995  
From: scott@hplst.lvld.hp.com  
Subject: Re: Uncle! I gave in...  
Message-ID: <199511012217.AA094314240@relay.hp.com>

> Greetings all -  
>  
> Well, I did it. After 4 years of Drakes and one year of Hallicrafters I have  
> succumbed to the BIG C. A 51S-1B is en route at this moment. I'm looking  
> forward to a side by side comparison with the SPR-4 and will report my findin  
> gs  
> to the group once I've formed a defensible opinion.

Oh boy are you in trouble now! Collins AM gear began joining my Drakes  
a couple of months ago. First the 32V-1 and 75A-1. Then the lust for  
large metal boxes painted St. James Grey led to the acquisition of the  
75A-4. Now I find myself looking at ads in the Yellow Sheets for KW-1'a  
at \$25,000 and no longer laughing hysterically, but wondering how  
negotiable the price is :-)

Sheesh! At least the S-Line bug hasn't hit. Yet.

> Keep 'em glowing.

Absolutely.

Scott Turner KG0MR scott@lvld.hp.com

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: Henry van Cleef <vancleef@bga.com>  
Subject: Vector Engineering 3F2---wotinellizzit  
Message-ID: <199511010327.VAA22804@zoom.bga.com>

Back in August, when I picked up a lifetime supply of plug-ins, there  
were a couple of odd-balls in the box that aren't for Tek scopes. One  
was a box that it obviously plug-in, and has a blue-ribbon connector on  
the back. It looks like some sort of transistorized three-phase  
oscillator. On the front it is marked "Vector Engineering Inc.

Springfield, N.J." and has controls for setting frequency in two ranges, from 45 to 600 Hz, and is marked "Hz.," so is probably from the 1970's. The back panel gives the model "3F2."

The other odd-ball is an HP3442A Automatic Range Selector, which goes with an HP DVM. While I know what this is, I haven't got any use for it.

Both of these look to be clean and complete. They're looking for new homes, so if anyone out there needs a nice kitten or two, I've got a couple.

--

\*\*\*\*\*  
Hank van Cleef vancleef@bga.com vancleef@tmn.com  
\*\*\*\*\*

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995  
From: steve@hi.com (Steve Byan)  
Subject: Re: whatzit  
Message-ID: <v02130509acbd7381235e@[140.243.30.128]>

>2. G-E Amplidyne M-G  
> Model 5AM450B11A  
> Input Output  
> 78-110 V 250 V DC  
> 9.0-6.5 A 250 W  
> RPM 3800-5000 1.0 A  
> 50C rise Continuous  
> (numbers)

I'm dunno much about amplidynes, but I know they are electromechanical amplifiers oft used in control systems (for example, the throttle of Alco diesel locomotives). It goes something like this: the motor part of the MG supplies the input power. The generator part of the MG supplies the output. The current through the field coil in the generator controls the output voltage. The more current you put through the field coil the higher the output voltage. I don't know what might be a typical power gain for an amplidyne, but it does indeed have gain.

Supposedly the GE Amplidynes used in Alco railroad locomotives gave them much better throttle handling characteristics than the competing locomotives from EMD.

Regards,  
-Steve



Steve Byan  
Hitachi Computer Products (America), Inc.  
1601 Trapelo Road  
Waltham, MA 02154

internet: steve@hi.com  
phone: (617) 890-0444  
FAX: (617) 890-4998

From boatanchors@theporch.com Wed Nov 1 23:30:00 1995  
From: mallick@orion.crd.ge.com (John Mallick)  
Subject: Re: whatzit  
Message-ID: <9511012129.AA01758@orion.crd.ge.com>

> From: steve@hi.com (Steve Byan)

>  
> >2. G-E Amplidyne M-G  
> > Model 5AM450B11A  
> > Input Output  
> > 78-110 V 250 V DC  
> > 9.0-6.5 A 250 W  
> > RPM 3800-5000 1.0 A  
> > 50C rise Continuous  
> > (numbers)

>  
> I'm dunno much about amplidynes, but I know they are electromechanical  
> amplifiers oft used in control systems (for example, the throttle of Alco  
> diesel locomotives). It goes something like this: the motor part of the MG  
> supplies the input power. The generator part of the MG supplies the output.  
> The current through the field coil in the generator controls the output  
> voltage. The more current you put through the field coil the higher the  
> output voltage. I don't know what might be a typical power gain for an  
> amplidyne, but it does indeed have gain.

>  
> Supposedly the GE Amplidynes used in Alco railroad locomotives gave them  
> much better throttle handling characteristics than the competing  
> locomotives from EMD.

>  
> Regards,  
> -Steve

>  
>  
> Steve Byan  
> Hitachi Computer Products (America), Inc.  
> 1601 Trapelo Road  
> Waltham, MA 02154

internet: steve@hi.com  
phone: (617) 890-0444  
FAX: (617) 890-4998

Amplidynes (and their cousins, metadynes) are described in the book "Electromechanical Energy Conversion" by White and Woodson, and also in the book "Metadyne Statics" by Pasterini. Steve is basically correct in his descriptions. The amplidyne can have a power gain of well over 1000. The shaft is driven by some sort of motor, either AC or DC, depending upon the model. The business end of the amplidyne looks like a DC machine. The input signal is applied to the stationary field coil (what would be the "field winding" of a DC motor). The output is taken from the rotating armature through stationary brushes against a rotating commutator. But there's an interesting twist...there are four sets of brushes on commutator, each located 90 degrees from the other. The set that would normally be used to supply the armature on the DC machine are \*shorted\* to one another, and the output is taken from the other set. The way it works is that the current in the field winding produces a magnetic field which induces a voltage in the armature. The shorted brushes cause a large current to flow due to this voltage. This large current produces a magnetic field at 90 degrees (space) to the field winding magnetic field. This second magnetic field induces another voltage in the armature which is taken from the second set of brushes. Because of this large induced current and second magnetic field, the power gain of the amplidyne is very large.

A neat device...

Cheers,

John WA1HNL

... ..	... ..
John A. Mallick WA1HNL	E-mail: mallick@crd.ge.com
GE Corporate Research and Development	Phone: (518)-387-7667 (W)
Schenectady, NY 12301	FAX: (518)-387-7592 (W)
... ..	... ..

"Work like hell. Tell everyone everything you know. Close a deal with a handshake. And have fun." --- "Doc" Edgerton

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: Neal McEwen <nmcewen@metronet.com>  
Subject: Re: Writing [was: Re: Kudos to all boatanchors]  
Message-ID: <199511010151.AA00562@metronet.com>

>  
> gotta give. Will the electronic networking revolution force a resurgence of  
> literacy in our culture? Or will our culture simply fracture into a minority  
> of the cyber-literate cognoscente on the one hand, and a sub-literate,

> un-networked majority on the other? I believe passionately that the former  
> is possible, but I fear the latter is far more likely, at least in the near  
> term.

I think that the resurgence of literacy and glorious use of the English language because of the internet is only a temporary condition. As we are turned on to more and more bandwidth and bigger and faster PCs, we will video mail rather than character mail. I will sit in front of my PC with a camera looking down at me, muttering and stammering into the microphone. I will not have the luxury of non-realtime choice of words and sentence structure. My renewal with the richness of the English language will fade and sloppy habits will form once again. Unless I take the time to do some video editing, I will not have the ability to edit a sentence or paragraph to impart just the meaning that I want to convey.

--

73 de K5RW        - Neal McEwen                                - Richardson, TX (Dallas)  
\*\*\*\*\* I collect old telgraph and wireless telegraph keys \*\*\*\*\*  
HomeNet           - nmcewen@metronet.com                        - OS/2 tcp/ip SLIP  
HomePage          - [http://fohnix.metronet.com/~nmcewen/techno\\_weenies.html](http://fohnix.metronet.com/~nmcewen/techno_weenies.html)

From boatanchors@theporch.com Wed Nov 1 13:40:00 1995  
From: Bill Smith <bilsmith@crl.com>  
Subject: Re: Writing [was: Re: Kudos to all boatanchors]  
Message-ID: <Pine.SUN.3.91.951031182646.11458B-100000@crl13.crl.com>

<snip>

> >

> I think that the resurgence of literacy and glorious use of the English  
> language because of the internet is only a temporary condition. <snip>

> I will not have the luxury of non-realtime choice of words and  
> sentence structure. My renewal with the richness of the English language  
> will fade and sloppy habits will form once again.

You mean we are already in the Good Old Days? Better enjoy them fast!

73 de Bill, AB6MT  
bilsmith@crl.com

From boatanchors@theporch.com Wed Nov 1 19:05:00 1995  
From: Norm Flasch <flasch@cushy.eecs.nwu.edu>  
Subject: Re: Writing [was: Re: Kudos to all boatanchors]

Message-ID: <199511011443.IAA13526@cushy.eecs.nwu.edu>

> You mean we are already in the Good Old Days? Better enjoy them fast!

>

> 73 de Bill, AB6MT

> bilsmith@crl.com

>

You know, every time period I look back on seems to have it's high points and warm fuzzies. So, if experience is a good teacher, I expect I will look back to the time I wrote this and have fond memories of \*this\* time as well. This group has many advantages. Writing and expression is one of the valuable side lites.

I have learned quite a lot from this shared experience and am happy when I can make a contribution. Looking forward to the warm glow of those firebottles this winter!

--

Norm Flasch                    flasch@eecs.nwu.edu                    Northwestern University  
                                 Electrical Engineering and Computer Science